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Attorney Docket No. 5721-5

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|            |   |                 |                |
|------------|---|-----------------|----------------|
| In re:     | Cupp <i>et al.</i>                            | Group Art Unit: | 1632           |
| Appl. No.: | 09/036,113                                    | Examiner:       | To be Assigned |
| Filed:     | March 6, 1998                                 |                 |                |
| For:       | <i>Antithrombin Protein and DNA Sequences</i> |                 |                |

March 22, 1999

Assistant Commissioner for Patents  
Washington, D.C. 20231

## PRELIMINARY AMENDMENT

Sir:

Prior to examination of the above-referenced application, the Examiner is respectfully requested to enter the following amendments.

IN THE CLAIMS

Please add the following new claims:

~~6~~ 18. A composition comprising a substantially purified protein having the amino acid sequence given in SEQ ID NO: 2, and a pharmaceutical carrier.

~~7~~ 19. The composition of claim ~~6~~ 18, wherein said protein is produced by recombinant methods.

~~18~~ 20. A pharmaceutical composition comprising a substantially purified protein having anti-thrombin activity, wherein said protein is isolated from the salivary glands of a species of the order Nematocera and a pharmaceutical carrier.

~~21~~ 21. The pharmaceutical composition of claim ~~20~~ 20, wherein said protein comprises the amino acid sequence given in SEQ ID NO: 2.--